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FIG. 1

FIG. 2

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FIG. 3

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FIG. 4

400 — START

402 — SPECIFY A PLURALITY
OF PRIORITIES

404 — ESTABLISH A
PLURALITY OF QUEUES

406 — ASSOCIATE EACH QUEUE
WITH A DIFFERENT ONE
OF THE PRIORITIES

408 — ASSIGN ONE OF THE
PRIORITIES TO EACH
POSSIBLE TYPE OF REQUEST

410 — STOP

FIG. 5

500 — START

502 — RECEIVE A REQUEST

504 — IS
THERE A BACKLOG
? — NO

506 — PROCESS
REQUEST

YES

508 — DETERMINE REQUEST'S TYPE

510 — IDENTIFY PRIORITY ASSIGNED
TO THIS TYPE OF REQUEST

512 — IDENTIFY QUEUE WHICH
IS ASSOCIATED WITH
THE PRIORITY ASSIGNED
TO THIS REQUEST

514 — STORE REQUEST IN
THE IDENTIFIED QUEUE

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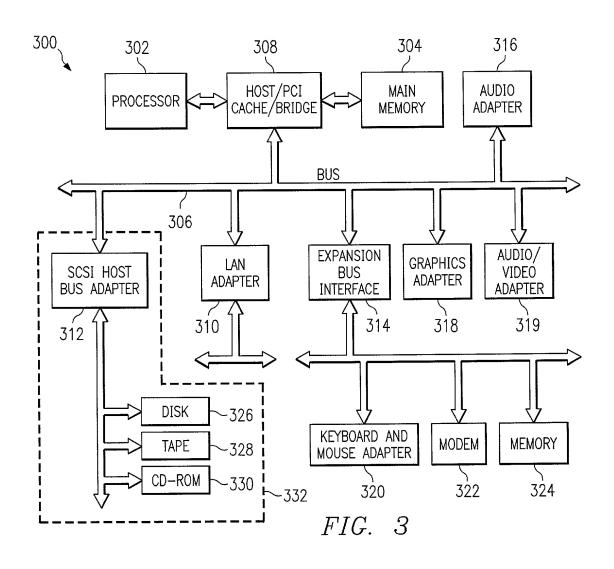HTTP Requests Based on Request Type Priority
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FIG. 6

600 — START

602 ARE THERE ANY REQUESTS STORED IN HIGH PRIORITY QUEUE? — YES →

608 SET A COUNTER TO PREDETERMINED NUMBER

BEGIN PROCESSING REQUESTS STORED IN HIGH PRIORITY QUEUE

610 ALL REQUESTS IN QUEUE PROCESSED? — YES →

NO

612 DECREMENT COUNTER

614 COUNTER= ZERO? — YES →

618 NO 616

CONTINUE PROCESSING REQUESTS IN HIGH PRIORITY QUEUE

602 NO →

604 ARE THERE ANY REQUESTS STORED IN MEDIUM PRIORITY QUEUE? — YES →

620 SET COUNTER TO PREDETERMINED NUMBER

BEGIN PROCESSING REQUESTS STORED IN MEDIUM PRIORITY QUEUE

622

624 ALL REQUESTS IN QUEUE PROCESSED? — YES →

NO

DECREMENT COUNTER

626

COUNTER= ZERO? — YES →

628 NO

630 CONTINUE PROCESSING REQUESTS IN MEDIUM PRIORITY QUEUE

604 NO →

606 ARE THERE ANY REQUESTS STORED IN LOW PRIORITY QUEUE? — NO →

632 YES

SET COUNTER TO PREDETERMINED NUMBER

BEGIN PROCESSING REQUESTS STORED IN LOW PRIORITY QUEUE

634

636 ALL REQUESTS IN QUEUE PROCESSED? — YES →

NO →

DECREMENT COUNTER

638 COUNTER= ZERO? — YES →

640 NO 642

CONTINUE PROCESSING REQUESTS IN LOW PRIORITY QUEUE